FIG. 1

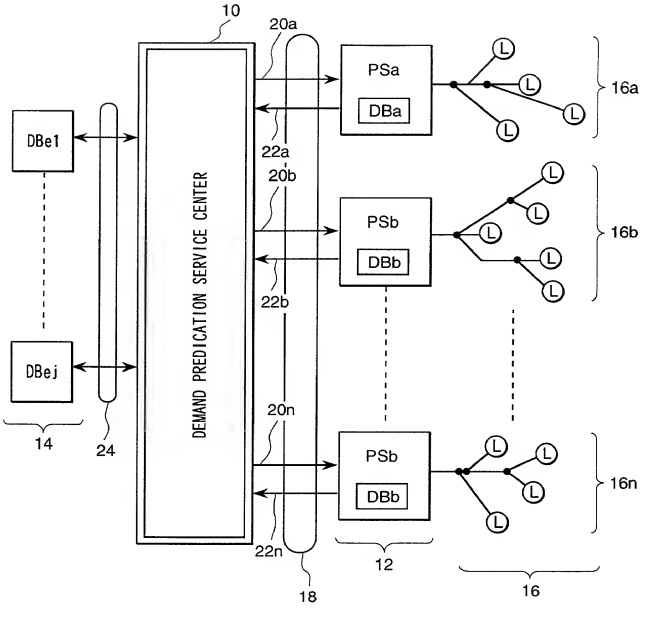
10
20a
PSa
DBa
16a
DBe1
22a
20b
PSb
DBb
16b
DEMAND PREDICATION SERVICE CENTER
22b
DBej
20n
PSb
DBb
16n
14
24
22n
12
18
16

FIG. 2

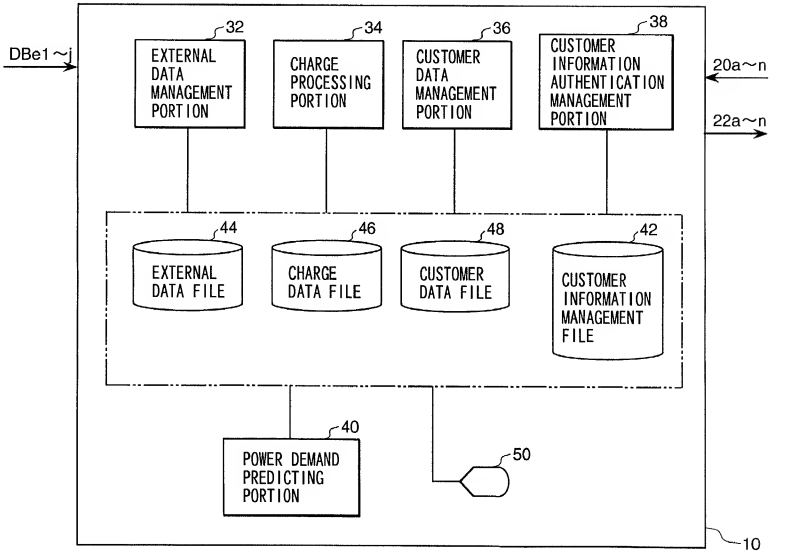
DBe1～j
32
EXTERNAL DATA MANAGEMENT PORTION
34
CHARGE PROCESSING PORTION
36
CUSTOMER DATA MANAGEMENT PORTION
38
CUSTOMER INFORMATION AUTHENTICATION MANAGEMENT PORTION
20a～n
22a～n
44
EXTERNAL DATA FILE
46
CHARGE DATA FILE
48
CUSTOMER DATA FILE
42
CUSTOMER INFORMATION MANAGEMENT FILE
40
POWER DEMAND PREDICTING PORTION
50
10

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FIG. 3

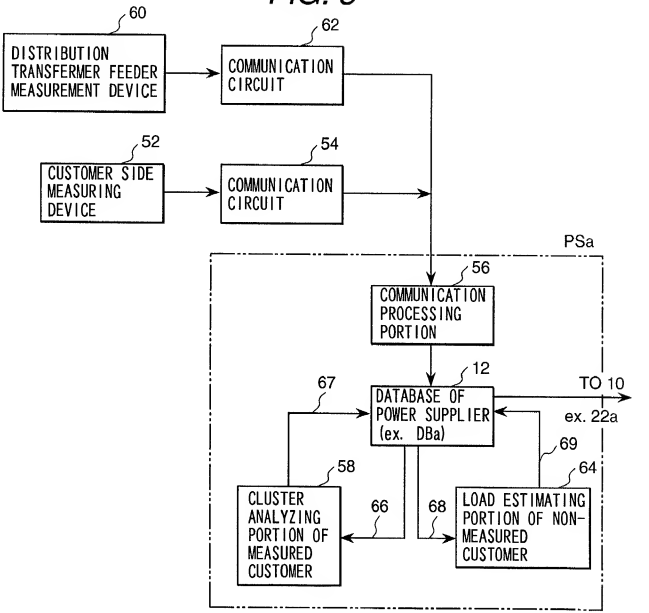


FIG. 4

CONTRACT	DATA SUPPLY FROM POWER SUPPLIER	USE EXTERNAL DB	PREDICTION		PREDICTION RANGE			OTHERS
			SHORT	LONG	AREA	WHOLE	SPECIFIC	
A	○	○	○	–	○	○	–	CHARGE METHOD
B	○	×	–	○	–	–	○	
C	×	○	○	–	–	○	–	
D	○	○	–	○	○	–	○	
S	○	○	○	○	○	○	○	

FIG. 5

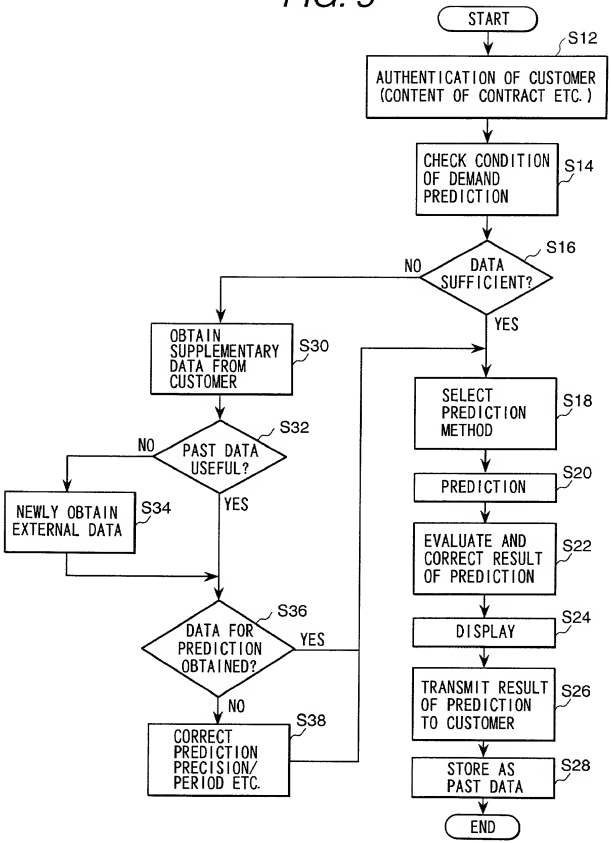

START
S12
AUTHENTICATION OF CUSTOMER (CONTENT OF CONTRACT ETC.)
CHECK CONDITION OF DEMAND PREDICTION
S14
S16
DATA SUFFICIENT?
NO
YES
OBTAIN SUPPLEMENTARY DATA FROM CUSTOMER
S30
S32
PAST DATA USEFUL?
NO
YES
NEWLY OBTAIN EXTERNAL DATA
S34
S36
DATA FOR PREDICTION OBTAINED?
YES
NO
CORRECT PREDICTION PRECISION/ PERIOD ETC.
S38
SELECT PREDICTION METHOD
S18
PREDICTION
S20
EVALUATE AND CORRECT RESULT OF PREDICTION
S22
DISPLAY
S24
TRANSMIT RESULT OF PREDICTION TO CUSTOMER
S26
STORE AS PAST DATA
S28
END

FIG. 6A

NO.	PREDICTION METHOD		
(1)	CUSTOMER PERFORMING MONITORING	.....	APPLY ON-LINE VALUE
(2)	CUSTOMER PERFORMING MONITORING	.....	RELATIONSHIP BETWEEN RESULT OF CLUSTER ANALYSIS OF LOAD CURVE AND GENERAL INFORMATION
(3)	USE LOAD CURVE OF CLUSTER HAVING SIMILAR GENERAL INFORMATION WITH PAST RECORD OF CUSTOMER		
(4)	TOTAL DEMAND PREDICTION OF CUTOMER	.....	USE LOAD PREDICTION VALUE PER GROUP
(5)	ZONE LOAD PREDICTION	.....	USE LOAD MONITORING VALUE OF RELEVANT ZONE
⋮			
⋮			

FIG. 6B

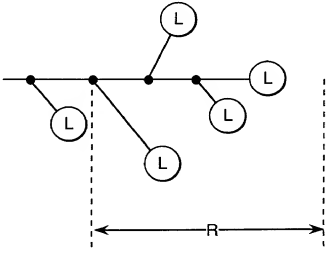
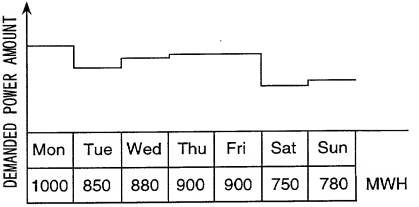
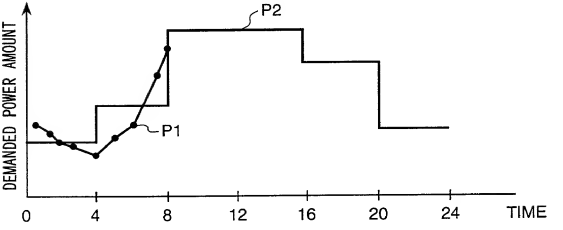


FIG. 7A



Mon	Tue	Wed	Thu	Fri	Sat	Sun	
1000	850	880	900	900	750	780	MWH

FIG. 7B



MWH	500	600	1000	1000	900	550	~(a)
0~1	530	4~5	570	8~9	1100	12~13	900	16~17	1000	20~21	600	(b)
1~2	500	5~6	600	9~10	1200	13~14	900	17~18	950	21~22	650	
2~3	490	6~7	610	10~11	850	14~15	1100	18~19	950	22~23	550	
3~4	480	7~8	620	11~12	850	15~16	1100	19~20	900	23~24	400	

FIG. 8

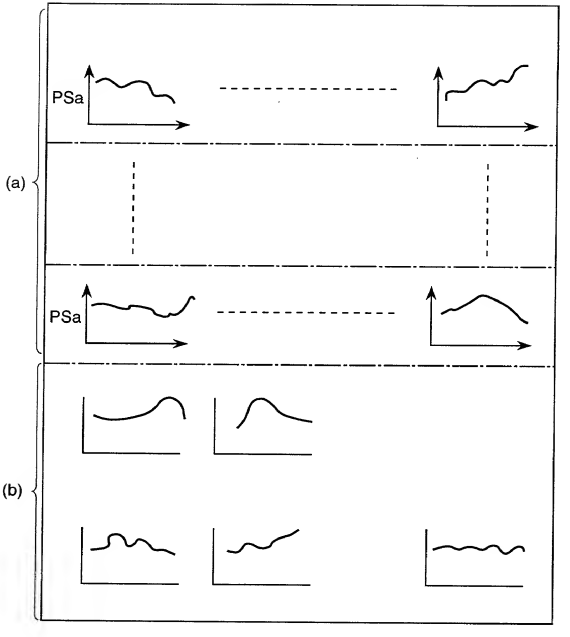


FIG. 9

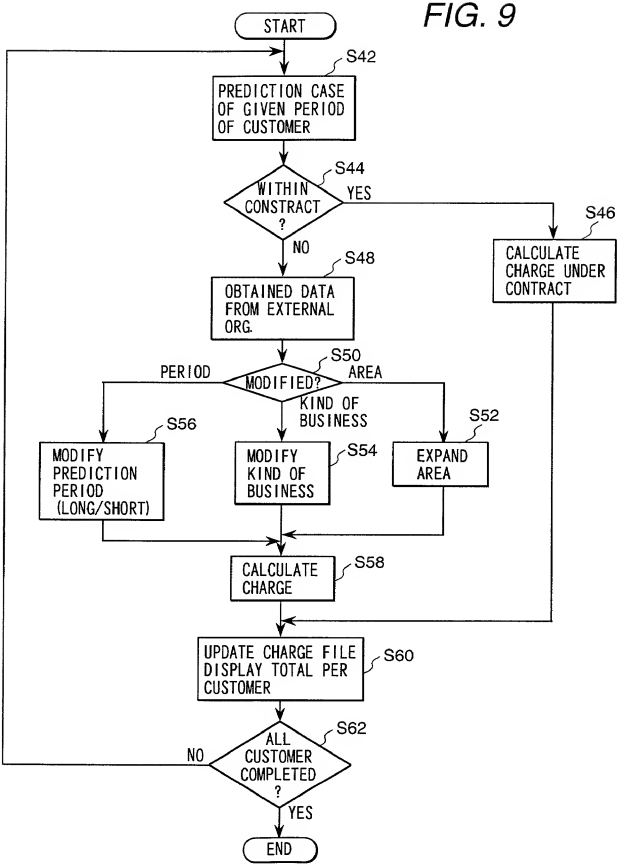

START
S42
PREDICTION CASE OF GIVEN PERIOD OF CUSTOMER
S44
WITHIN CONSTRACT ?
YES
NO
S46
CALCULATE CHARGE UNDER CONTRACT
S48
OBTAINED DATA FROM EXTERNAL ORG.
S50
MODIFIED?
PERIOD
AREA
KIND OF BUSINESS
S56
MODIFY PREDICTION PERIOD (LONG/SHORT)
S54
MODIFY KIND OF BUSINESS
S52
EXPAND AREA
S58
CALCULATE CHARGE
S60
UPDATE CHARGE FILE DISPLAY TOTAL PER CUSTOMER
S62
ALL CUSTOMER COMPLETED ?
NO
YES
END

FIG. 10

DATE	PREDICTION UNDER CONTRACT	TRANSITIONAL PREDICTION	USE COMMON DATA	PREDICTION OUT OF CONTRACT	REMARKS
○/○	0	–	0	0	PREDICTION CALCULATION PERIOD
△/○	0	–	–	–	
・ ・ ・					